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(54) Title: PROCESS FOR THE PRODUCTION OF STRONGLY ADHERENT COATINGS

(57) Abstract: The invention relates to a process and to the corresponding apparatus for the production of strongly adherent coatings on an inorganic or organic substrate, wherein in a first step a) a low-temperature plasma, a corona discharge or a flame is caused to act on the inorganic or organic substrate, in a second step b) one or more photoinitiators or mixtures of photoinitiators with monomers, containing at least one ethylenically unsaturated group, or solutions, suspensions or emulsions of the afore-mentioned substances, are applied at normal pressure to the inorganic or organic substrate, in a third step c) using suitable methods those afore-mentioned substances are dried and/or irradiated with electromagnetic waves and, optionally, in a fourth step d) on the substrate so pretreated is deposited a metal, half-metal or metal oxide.

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